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Leo Tolstoy (9th September 1828-20th November 1910), the author, was a novelist, short story writer, playwright, essayist. His renowned works are - 'War and Peace', 'Anna Karenina', 'The Death of Ivan Ilyich' and so on. He was a Russian writer and regarded as one of the greatest authors of all time. 'War and Peace' is a literary work includes historical and philosophical incidences and matter. It is one of the best appreciable works, all over the world. It includes French invasion of Russian and the Napoleon era as well as Tsarist society. The story revolves in the beginning, around Anna pavlona, the maid of honour and confidante to the dowager Empress Maria Feodorovna. One more character pierre Bezukhov is the wealthy fellow but he is the illegitimate son of a wealthy count. People respect him due to his wealthy guardian. It explains about his education and career. Then story part is related to the Rostav family in Moscow. Love angles of 2-3 characters are narrated in this part of story, which seems interesting The Russian-French war is elaborated nicely. The battle of Austerlitz is the important event in the

book. The author portrays Austerlitz as an early test for Russia. Actually it fought for irrelevant things like glory or renown. Prince Andrei Bolkonsky leaves behind his family to fight a war against Napoleon. The author has best provided about a broad panorma of the Russian Society. Focus on how Storiturity works and family happiness. Also it consists of lots of Romance.

Emerald Term Book Class 02 Term 01

An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and

other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote *The Elements of Statistical Learning* (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. *An Introduction to Statistical Learning* covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

Sue Polanka brings together a variety of professionals to share their expertise about e-books with librarians and publishers. Providing forward-thinking ideas while remaining grounded in practical information that can be implemented in all kinds of libraries, the topics explored include an introduction to e-books and their different types, an overview of their history and development, e-book technology, why e-books are good for learning, and how librarians can market them to a wide range of users.--[back cover]

Confidently diagnose, treat, and manage patient conditions with the only comprehensive book on the market devoted solely to equine internal medicine. Filled with fully updated content on principles of treatment and contributions from internationally known equine experts, *Equine Internal Medicine, 4th Edition* focuses on the basic pathophysiologic mechanisms that underlie the development of various equine diseases. A problem-based approach outlines how to apply the latest clinical evidence directly to the condi-

tions you will encounter in practice. A new companion website with over 120 video clips presents diseases and disorders that cannot be explained as well through words. Updated information throughout, including the most recent drug information. Current and well-referenced content on equine diseases and treatment techniques cites the latest books and journals. Internationally known equine experts present information on problems affecting horses throughout the world — and provide contributions that enable practitioners and students to approach disease and treatment of equine patients with more authority and understanding. User-friendly exterior and interior design makes the book appealing to both the equine internal medicine practitioner and the veterinary student. Easy-to-find information facilitates a more thorough understanding with minimal frustration. Organized and consistent coverage among chapters allows you to easily find information on a specific topic. NEW! Fully updated and revised sections on disorders and principles of treatment. NEW! Problem-based approach outlines how to apply the latest clinical evidence directly to the conditions you will encounter in practice. NEW! Pathophysiology is emphasized throughout, providing a sound basis for discussions of the diagnosis, treatment, and prognosis that follow. NEW! Body systems chapters begin with a thorough discussion of the diagnostic method appropriate to the system, including physical examination, clinical pathology, radiography, endoscopy, and ultrasonography. NEW and UNIQUE! Companion website includes more than 120 video clips linked to content from chapters on cardiovascular and neurologic system disorders. NEW! Flow charts, diagrams, and algorithms clarify complex material.

This economically priced version of LIBERTY, EQUALITY, POWER, 7th Edition offers readers the complete narrative while limiting the number of features, photos, and maps. A highly respected, balanced, and thoroughly modern approach to U.S. History, LIBERTY, EQUALITY, POWER uses these three themes in a unique approach to show how the United States was transformed, in a relatively short time, from a land inhabited by hunter-gatherer and agricultural Native American societies into the most powerful industrial nation on earth. This approach helps students understand not only the impact of the notions of liberty and equality, which are often associated with the American story, but also how dominant and subordinate groups have affected and been affected by the ever-shifting balance of power. The text integrates the best of recent social and cultural scholarship into a political story, offering students a comprehensive and complete understanding of American history. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Feedback is often considered to be one of the pivotal enablers of formative assessment. This key topic has received considerable attention within research literature and has been studied by a number of leading experts in the field. This book is positioned at the heart of these debates and offers a specific contribution to 'exploring' and 'exploiting' the learning gap which feedback seeks to shift. Developing Feedback for Pupil Learning seeks to synthesise what we know about feedback and learning into more in-depth understandings of what influences both the structure of and changes to the learning gap. This research-informed but accessibly written

enquiry is at the very heart of teaching, learning and assessment. It offers a timely contribution to understanding what works (and what doesn't) for whom and why. Split into three main parts, it covers: Feedback for learning in theory, policy and practice; Conceptualising the 'learning gap'; New futures for feedback. This text will be essential reading for students, teachers, researchers and all those who engage with issues related to teaching, learning and assessment academically.

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient

methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

The second edition of *Handbook of Practical Program Evaluation* offers managers, analysts, consultants, and educators in government, nonprofit, and private institutions a valuable resource that outlines efficient and economical methods for assessing program results and identifying ways to improve program performance. The *Handbook* has been thoroughly revised. Many new chapters have been prepared for this edition, including chapters on logic modeling and on evaluation applications for small nonprofit organizations. The *Handbook of Practical Program Evaluation* is a comprehensive resource on evaluation, covering both in-depth program evaluations and performance monitoring. It presents evaluation methods that will be useful at all levels of government and in nonprofit organizations.

As the definitive reference for clinical chemistry, *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*, 5th Edition offers the most current and authoritative guidance on selecting, performing, and evaluating results of new and established laboratory tests. Up-to-date encyclopedic coverage details everything you need to know, including: analytical criteria for the medical usefulness of laboratory procedures; new approaches for establishing reference ranges; variables that affect tests and results; the impact of modern analytical tools on lab management and costs; and

applications of statistical methods. In addition to updated content throughout, this two-color edition also features a new chapter on hemostasis and the latest advances in molecular diagnostics. Section on Molecular Diagnostics and Genetics contains nine expanded chapters that focus on emerging issues and techniques, written by experts in field, including Y.M. Dennis Lo, Rossa W.K. Chiu, Carl Wittwer, Noriko Kusukawa, Cindy Vnencak-Jones, Thomas Williams, Victor Weedn, Malek Kamoun, Howard Baum, Angela Caliendo, Aaron Bossler, Gwendolyn McMillin, and Kojo S.J. Elenitoba-Johnson. Highly-respected author team includes three editors who are well known in the clinical chemistry world. Reference values in the appendix give you one location for comparing and evaluating test results. **NEW!** Two-color design throughout highlights important features, illustrations, and content for a quick reference. **NEW!** Chapter on hemostasis provides you with all the information you need to accurately conduct this type of clinical testing. **NEW!** Six associate editors, Ann Gronowski, W. Greg Miller, Michael Oellerich, Francois Rousseau, Mitchell Scott, and Karl Voelkerding, lend even more expertise and insight to the reference. **NEW!** Reorganized chapters ensure that only the most current information is included.

Fully updated to meet the demands of the 21st-century surgeon, *Lower Extremity, Trunk and Burns Surgery*, Volume 4 of *Plastic Surgery*, 3rd Edition, provides you with the most current knowledge and techniques across your field, allowing you to offer every patient the best possible outcome. Access all the state-of-the-art know-how you need to overcome any challenge you may face and exceed your patients' expectations. Consult this title on your favorite e-reader,

conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in extremity, trunk, and burn plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Purchase this volume individually or own the entire set, with the ability to search across all six volumes online! Apply the latest techniques in lower extremity, trunk, and burn reconstruction, including microsurgical lymphatic reconstruction, super microsurgery, sternal fixation, and more. Know what to look for and what results you can expect with over 950 photographs and illustrations. See how to perform key techniques with 12 surgical videos online. Access the complete, fully searchable contents online, download all the tables and figures, and take advantage of additional content and images at www.expertconsult.com! It is precisely 3:00 a.m. Detective Toni Rome's cell chirps, waking her from a recurring nightmare. "I've been bad again, Detective," the voice on the other end tells her. It is the voice of the Rosary Reaper, christened so by Toronto's media and members of the force. At each crime scene, a black rosary is found around the throats of his victims. It is the fourth call she has received in the past month, and as always, a brutalized body waits to be discovered. No trace and no clues other than the early hour whispers and the bloody taunts Catch me, carved into the victim's torsos. With a grandmother deep in the clutches of dementia to care for and a reawakened passion for the man who has just moved in next door, Toni and her partner Detective Sid Tillman find themselves pitted against a ruthless killer. A mind gone wrong. A vendetta long overdue. * You, my darlings,

are my confidants, my audience, spying while I exact my vengeance. Together we will wait in the woods, scheming, planning. Our hands are treacherous, glorious, guilty weapons. And so the vine ripens. Each of its sacrosanct thorns exacting another prick of blood owed. I am a master of disguise. I am wealthy beyond your imagination. I am thirty-four and will not celebrate my thirty-fifth birthday. My name is Nathan. I am a killer.

Available with free access to the interactive eBook* for 12 months when you buy the paperback version (ISBN 9781446295311 only), this is the companion for any student undertaking a research project. Click on the icons in the margins of the eBook to access a wealth of resources including: Video Content Chapter introductions and top tips from the author along with tried and tested open access videos on YouTube introduce you to key chapter contents Datasets Play around with real data in SPSS and put your statistics knowledge into practice Weblinks Direct you to real world examples to broaden your knowledge Checklists Guide you through a specific research process such as running a focus group or conducting an interview Further Reading Link you to a range of resources to deepen your understanding of a topic However you access the content the Third Edition guides you smoothly through the research process from start to finish setting out the skills needed to design and conduct effective research and introduces the reader to the reality of conducting research in the real world. It gives practical advice on how best to select appropriate projects, design strategies, sources and methods and provides the tools needed to collect, analyze and present data. Applicable to any discipline

and firmly rooted in the practicalities of research there are new and exciting chapters on: - Using SPSS for quantitative data analysis - Sampling strategies in quantitative and qualitative research - Approaches to secondary analysis - Using focus groups - Ethnography and participant observation (*interactivity only available through VitalSource eBook) Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

Community Medicine Preparatory Manual for Undergraduates, 3rd Edition - E-Book Bringing together leading international practitioners and theorists in the field, ranging from the 1960s pioneers of participation to some of the major contemporary figures in the field, *Architecture and Participation* opens up the social and political aspects of our built environment, and the way that the eventual users may shape it. Divided into three sections, looking at the politics, histories and practices of participation, the book gives both a broad theoretical background and more direct examples of participation in practice. Respectively the book explores participation's broader context, outlining key themes and including work from some seminal European figures and shows examples of how leading practitioners have put their ideas into action. Illustrated throughout, the authors present to students, practitioners and policy makers an exploration of how a participa-

tive approach may lead to new spatial conditions, as well as to new types of architectural practices, and investigates the way that the user has been included in the design process.

Information theory and inference, taught together in this exciting textbook, lie at the heart of many important areas of modern technology - communication, signal processing, data mining, machine learning, pattern recognition, computational neuroscience, bioinformatics and cryptography. The book introduces theory in tandem with applications. Information theory is taught alongside practical communication systems such as arithmetic coding for data compression and sparse-graph codes for error-correction. Inference techniques, including message-passing algorithms, Monte Carlo methods and variational approximations, are developed alongside applications to clustering, convolutional codes, independent component analysis, and neural networks. Uniquely, the book covers state-of-the-art error-correcting codes, including low-density-parity-check codes, turbo codes, and digital fountain codes - the twenty-first-century standards for satellite communications, disk drives, and data broadcast. Richly illustrated, filled with worked examples and over 400 exercises, some with detailed solutions, the book is ideal for self-learning, and for undergraduate or graduate courses. It also provides an unparalleled entry point for professionals in areas as diverse as computational biology, financial engineering and machine learning.

An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, *Deep Learning*

is the only comprehensive book on the subject.” —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX

Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both

readers and instructors.

A one-stop reference that reviews protein design strategies to applications in industrial and medical biotechnology

Protein Engineering: Tools and Applications is a comprehensive resource that offers a systematic and comprehensive review of the most recent advances in the field, and contains detailed information on the methodologies and strategies behind these approaches. The authors—noted experts on the topic—explore the distinctive advantages and disadvantages of the presented methodologies and strategies in a targeted and focused manner that allows for the adaptation and implementation of the strategies for new applications. The book contains information on the directed evolution, rational design, and semi-rational design of proteins and offers a review of the most recent applications in industrial and medical biotechnology. This important book: Covers technologies and methodologies used in protein engineering Includes the strategies behind the approaches, designed to help with the adaptation and implementation of these strategies for new applications Offers a comprehensive and thorough treatment of protein engineering from primary strategies to applications in industrial and medical biotechnology Presents cutting edge advances in the continuously evolving field of protein engineering Written for students and professionals of bioengineering, biotechnology, biochemistry, Protein Engineering: Tools and Applications offers an essential resource to the design strategies in protein engineering and reviews recent applications.

Distills key concepts from linear algebra, geometry, matrices, calculus, optimization, probability and statistics that are used in machine learning.

Learn how to use R to turn raw data into

insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, *R for Data Science* is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: **Wrangle**—transform your datasets into a form convenient for analysis **Program**—learn powerful R tools for solving data problems with greater clarity and ease **Explore**—examine your data, generate hypotheses, and quickly test them **Model**—provide a low-dimensional summary that captures true "signals" in your dataset **Communicate**—learn R Markdown for integrating prose, code, and results

Covering all commonly used interventions for acute and chronic low back pain conditions, *Evidence-Based Management of Low Back Pain* consolidates current scientific studies and research evidence into a single, practical resource. Its multidisciplinary approach covers a wide scope of treatments from manual therapies to medical interventions to surgery, organizing interventions from least to most invasive. Editors Simon Dagenais and Scott Haldeman, along with expert contributors from a variety of clinical and academic institutions throughout the world, focus on the best available scien-

tific evidence, summarizing the results from the strongest to the weakest types of studies. No other book makes it so easy to compare the different interventions and treatment approaches, giving you the tools to make better, more informed clinical decisions. A multidisciplinary approach covers treatments from manual therapies to medical interventions to surgery, and many others in between. An interdisciplinary approach enables health care providers to work together. A logical, easy-to-follow organization covers information by intervention type, from least invasive to most invasive. Integration of interventions provides information in a clinically useful way, so it's easier to consider more than one type of treatment or intervention for low back pain, and easier to see which methods should be tried first. 155 illustrations include x-rays, photos, and drawings. Tables and boxes summarize key information. Evidence-based content allows you to make clinical decisions based on the ranking the best available scientific studies from strongest to weakest. Patient history and examination chapters help in assessing the patient's condition and in ruling out serious pathology before making decisions about specific interventions. Experienced editors and contributors are proven authors, researchers, and teachers, and practitioners, well known in the areas of orthopedics, pain management, chiropractic, physical therapy, and behavioral medicine as well as complementary and alternative medicine; the book's contributors include some of the leading clinical and research experts in the field of low back pain. Coverage based on *The Spine Journal* special issue on low back pain ensures that topics are relevant and up to date. A systematic review of interventions for low back pain includes these cat-

egories: patient education, exercise and rehabilitation, medications, manual therapy, physical modalities, complementary and alternative medicine, behavioral modification, injections, minimally invasive procedures, and surgery. Surgical interventions include decompression, fusion, disc arthroplasty, and dynamic stabilization. Additional coverage includes patient education and multidisciplinary rehabilitation.

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Chapters have been rearranged and often split to work towards one chapter-one lecture model so that the text is linked to curriculum objectives which appeals to both students and faculty. Narrative length has been reduced while ensuring the original flow and explanation of concepts is not affected. Updated Learning Objectives (e.g. Applied physiology of the Renal System) and Glossary

of Terms in the beginning of every chapter. Short, easy-to-read, masterfully edited chapters and a user-friendly full-color design facilitates better learning and retention. Features expanded clinical coverage including obesity, metabolic and cardiovascular disorders, Alzheimer's disease, and other degenerative diseases. Complex Concepts/Processes are summarized in flowcharts/flow diagram for better understanding. Contains more than 1000 carefully crafted diagrams and drawings ensures better understanding of Physiology. Offers Clinically Oriented perspective - bridging basic physiology with pathophysiology, including cellular and molecular mechanism important for Clinical medicine. Updated throughout based on the Guyton and Hall Textbook of Physiology 14th edition to reflect the latest knowledge in the field. The information of the book has been updated to include all areas of the new MCI curriculum (these are either embedded within the existing chapters or as several new chapters at the end of the book).

This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms.

Provides information and examples on writing JavaScript code, covering such topics as syntax, control, data, regular expressions, and scripting.

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the offi-

cial book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of *The Rust Programming Language*, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multi-threaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

The Immune Response is a unique reference work covering the basic and clinical principles of immunology in a modern and comprehensive fashion. Written in an engaging conversational style, the book conveys the broad scope and fasci-

nating appeal of immunology. The book is beautifully illustrated with superb figures as well as many full color plates. This extraordinary work will be an invaluable resource for lecturers and graduate students in immunology, as well as a vital reference for research scientists and clinicians studying related areas in the life and medical sciences. Current and thorough 30 chapter reference reviewed by luminaries in the field Unique 'single voice' ensures consistency of definitions and concepts Comprehensive and elegant illustrations bring key concepts to life Provides historical context to allow fuller understanding of key issues Introductory chapters 1-4 serve as an 'Immunology Primer' before topics are discussed in more detail

The Practice of Interventional Radiology, by Dr. Karim Valji, presents a comprehensive approach to help you master the latest techniques. Online case studies teach you a wide range of interventional techniques, such as chemoembolization of tumors, venous access, angioplasty and stenting, and much more. With coverage of neurointerventional procedures, image-guided non-vascular and vascular procedures, and interventional oncologic procedures - plus access to the full text, case studies, images, and videos online at www.expertconsult.com - you'll have everything you need to offer more patients a safer alternative to open surgery. Presents the entire spectrum of vascular and nonvascular image-guided interventional procedures in a rigorous but practical, concise, and balanced fashion. Stay current on the latest developments in interventional radiology including neurointerventional procedures, image-guided non-vascular and vascular procedures, and interventional oncologic procedures. Learn the tenets of disease pathology, patient care, techniques and

expected outcomes, and the relative merits of various treatment modalities. Find everything you need quickly and easily with consistent chapters that include patient cases, normal and variant anatomy, techniques, and complications. Master procedures and recognize diseases through over 100 case studies available online, which include images and interactive Q&A to test your knowledge; Online videos that demonstrate basic and expert-level interventional techniques. Access the fully searchable text at www.expertconsult.com, along with over 100 cases, 1500 corresponding images, and videos.

Gain real-world practice in insurance billing and coding! Corresponding to the chapters in Fordney's Medical Insurance, 15th Edition, this workbook provides realistic, hands-on exercises that help you apply concepts and develop critical thinking skills. Study tools include chapter overviews, key terms, chapter review exercises, and case study assignments. Additionally, this workbook helps you develop a better understanding of the differences among the insurance programs when completing and electronically transmitting the 837 P or the CMS-1500 paper claim. Key terms and abbreviations lists at the beginning of each chapter provide a quick reference to the health insurance terminology you need to know. Performance objectives make learning easy by highlighting what you need to accomplish in each chapter. Study outlines focus review by listing key points for each chapter. Self-study exercises - including matching, true/false, multiple-choice, mix and match, and fill-in-the-blank questions - help you practice important concepts. Critical Thinking Assignments in the form of short, real-world vignettes prepare you for working in a real medical

office and allow you to apply theory learned from the textbook. NEW! Expanded coverage of inpatient insurance billing, including ICD-10 coding and CMS provides you with the foundation and skills needed to work in the physician office, outpatient, and inpatient setting. NEW! Ambulatory Surgical Center (ASC) billing chapter provides you with the foundation and skills needed to work in this outpatient setting. NEW! Updated information on general compliance issues, HIPAA, Affordable Care Act and coding reflects changes to the main text.

Exploring the importance of megacities and megacity-regions as one of the defining features of the 21st century, this Handbook provides a clear and comprehensive overview of current thinking and debates from leading scholars in the field. Highlighting major current challenges and dimensions of megaurbanization, chapters form a thematic focus on governance, planning, history, and environmental and social issues, supported by case studies from every continent.

Nationally recognised as the definitive guide to clinical nursing skills, The Royal Marsden Manual of Clinical Nursing Procedures has provided essential nursing knowledge and up-to-date information on nursing skills and procedures for over 30 years. Now in its 9th edition, this full-colour manual provides the underlying theory and evidence for procedures enabling nurses to gain the confidence they need to become fully informed, skilled practitioners. Written with the qualified nurse in mind, this manual provides up-to-date, detailed, evidence-based guidelines for over 200 procedures related to every aspect of a person's care including key information on equipment, the procedure and post-procedure guidance, along with full colour illustrations and photos. Following exten-

sive market research, this ninth edition: contains the procedures and changes in practice that reflect modern acute nursing care includes thoroughly reviewed and updated evidence underpinning all procedures is organised and structured to represent the needs of a patient along their care pathway integrates risk-management into relevant chapters to ensure it is central to care contains revised procedures following 'hands-on' testing by staff and students at Kingston University is also available as an online edition Every clinician that has an interest in veterinary diagnostic imaging should have this reference! Small Animal Diagnostic Ultrasound, 4th Edition provides in-depth coverage of the latest techniques, applications, and developments in veterinary ultrasonography. It shows how ultrasonography can be an indispensable part of your diagnostic workup for everything from cardiac and hepatic disease to detached retinas and intestinal masses. All-new content on internal medicine is integrated throughout the text, addressing disease processes and pathologies, their evaluation, and treatment. Written by expert educators John S. Mattoon, Rance K. Sellon, and Clifford R. Berry, this reference includes access to an Expert Consult website with more than 100 video clips and a fully searchable version of the entire text. Logical organization makes reference quick and easy, with chapters organized by body system and arranged in a head-to-tail order. Coverage of Doppler imaging principles and applications includes non-cardiac organs and abdominal vasculature. Photographs of gross anatomic and pathological specimens accompany ultrasound images, showing the tissues under study and facilitating a complete interpretation of ultrasound images. More than 100 video clips demonstrate normal and abnormal

conditions as they appear in ultrasound scans, including conditions ranging from esophageal abscess to splenic hyperplasia. More than 2,000 full-color images include the most current ultrasound technology. NEW! Updated content on diagnostic ultrasound ensures that you are informed about the latest developments and prepared to meet the challenges of the clinical environment. NEW! Coverage of internal medicine includes basic knowledge about a disease process, the value of various blood tests in evaluating the disease, as well as treatment strategies. NEW editors Rance K. Sellon and Clifford R. Berry bring a fresh focus and perspective to this classic text. NEW! Expert Consult website includes a fully searchable eBook version of the text along with video clips demonstrating normal and abnormal conditions as they appear in ultrasound scans. NEW! New and updated figures throughout the book demonstrate current, high-quality images from state-of-the-art equipment. NEW contributing authors add new chapters, ensuring that this book contains current, authoritative information on the latest ultrasound techniques.

Recent breakthroughs in the study and treatment of anxiety are empowering countless people to find relief from chronic fears, worrying, phobias, and obsessions. This inviting workbook shows how. The state-of-the-art program presented here is grounded in cognitive-behavioral therapy, the most effective treatment for anxiety. No matter what type of anxiety problem you suffer from, leading experts Drs. Martin M. Antony and Peter J. Norton provide an unrivaled toolkit of proven strategies to help you: *Understand what anxiety is and how it gets out of control *Identify your anxiety triggers *Change the beliefs and behaviors that make

symptoms worse *Develop a safe, gradual plan for confronting feared situations *Learn the facts about medications and herbal remedies *Achieve a new level of calm with relaxation and meditation techniques *Find the right professional help, if and when you need it Vivid examples and user-friendly worksheets (you can download and print additional copies as needed) guide you to put the book's science-based techniques into action. Effective problem-solving tips ease you through the rough spots in recovery. If you're ready to take back your life from anxiety, you've come to the right place. Association for Behavioral and Cognitive Therapies (ABCT) Self-Help Book of Merit Nursing Law and Ethics explores a variety of key legal and ethical issues in nursing practice using a thought-provoking and holistic approach. It addresses both what the law requires and what is right, and explores whether these two are always the same. The book provides an overview of the legal, ethical and professional dimensions of nursing, followed by exploration of key issues in greater depth. This edition features updated legislation and new material on patient safety. Key topics are accompanied by both a legal and an ethical perspective, covering both law and ethics Case examples throughout place concepts in a real-life context Written by experts in the field and includes contributions from leading nurses, lawyers and ethicists Accessible, relevant, and comprehensive, this title is ideal for pre- and post-registration nurses.

Small Animal Clinical Pharmacology is a practical, clinically-oriented pharmacology text designed to provide the veterinary student and practitioner with all the relevant information needed when designing drug treatment regimens for pets in small animal veterinary practice.

Comprehensively updated and revised, the second edition of this core text covers essential new information on drugs used in the management of a range of presenting conditions including heart disease and cardiac arrhythmias. For the second edition new authors, superb new illustrations and a second colour have all been introduced. With its unique approach combining a thorough understanding of the pharmacological action of drugs with a basic understanding of the relevant physiology and pathophysiology of systems and tissues affected, Small Animal Clinical Pharmacology continues to be an indispensable book for all veterinary students and practitioners. Organised by drug class in a uniform and detailed structure which means it is easy to locate key information on dose rates, routes of administration, drug interactions and special considerations at a glance Key chapters based around treatment of disorders of particular body systems, eg cardiovascular and thyroid disorders Essential introductory chapters covering pharmacokinetics, general pharmacological principles and adverse reactions for a thorough basic grounding in the subject All authors are experienced clinicians and recognised experts in their field who bring a down to earth and practical approach to the text

Emergency Medicine, 2nd Edition delivers all the relevant clinical core concepts you need for practice and certification, all in a comprehensive, easy-to-absorb, and highly visual format. This well-regarded emergency medicine reference offers fast-access diagnosis and treatment guidelines that quickly provide the pearls and secrets of your field, helping you optimize safety, efficiency, and quality in the ED as well as study for the boards. Consult this title on your favorite e-reader with intuitive search tools and

adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Get clear, concise descriptions and evidence-based treatment guidelines for a full range of clinical conditions, ranging from the common to the unusual. Find the information you need quickly with a highly visual format that features hundreds of full-color clinical photographs, illustrations, algorithms, tables, and graphs, plus key information highlighted for fast reference. Consult high-yield text boxes in every chapter for Priority Actions, Facts and Formulas, Documentation, Patient Teaching Tips, Red Flags, and Tips and Tricks. Make the most of your limited time with easy-to-digest blocks of information, consistently presented for clear readability and quick reference. Study efficiently and effectively for the boards, or rapidly consult this title in daily practice, thanks to well-organized chapters, a superb use of images and diagrams, and clinically relevant, easy-to-understand content. Benefit from the knowledge and expertise of renowned educators, dedicated to compiling today's best knowledge in emergency medicine into one highly useful, readable text. Be prepared to manage increasingly prevalent problems seen in the ED, such as emergent complications of fertility treatment and management of patients who have had bariatric surgery. Deliver high-quality care to your younger patients with expanded pediatrics content. Stay up to date with new chapters on Clotting Disorders and Hemophilia, Patient-Centered Care, Health Disparities and Diversity in Emergency Medicine, Cost-Effectiveness Analysis, Antibiotic Recommendations for Empirical Treatment of Selected Infectious Diseases, and Cardiac Emergency Ultra-

sound: Evaluation for Pericardial Effusion & Cardiac Activity. Access the complete contents of Emergency Medicine online, fully searchable, at www.expertconsult.com, with downloadable images, tables and boxes, and expanded chapters, plus videos demonstrating ultrasound-guided vascular access, sonography for trauma, and more.

Now fully revised and updated, Clinical Biochemistry, third edition is essential reading for specialty trainees, particularly those preparing for postgraduate examinations. It is also an invaluable current reference for all established practitioners, including both medical and scientist clinical biochemists. Building on the success of previous editions, this leading textbook primarily focuses on clinical aspects of the subject, giving detailed coverage of all conditions where clinical biochemistry is used in diagnosis and management - including nutritional disorders, diabetes, inherited metabolic disease, metabolic bone disease, renal calculi and dyslipidaemias. The acquisition and interpretation of clinical biochemical data are also discussed in detail. Expanded sections on haematology and immunology for clinical biochemists provide a thorough understanding of both laboratory and clinical aspects. New chapters are included on important evolving areas such as the metabolic response to stress, forensic aspects of clinical biochemistry and data quality management. An extended editorial team - including three expert new additions - ensures accuracy of information and relevance to current curricula and clinical practice. A superb new accompanying electronic version provides an enhanced learning experience and rapid reference anytime, anywhere! Elsevier ExpertConsult.com Enhanced eBooks for medical

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